

AROHO PLAN

NEWSLETTER FROM DEPARTMENT OF ARCHITECTURE AND PLANNING



JAYANTI@75

Celebrating 75years of Department of Architecture and Planning

IN THIS ISSUE

- Publications
- Projects
- Achievements
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- Outreach Activities



Prof. Jaydeb Sarkar

Highlight of the Session

JAYANTI@75

Celebrating 75 years of the Department of Architecture and Planning

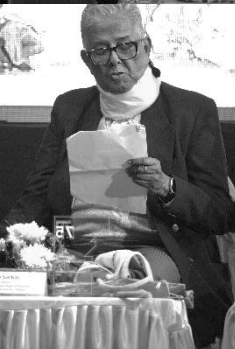
Day I started with the inauguration session and lighting of lamp and special addresses by :

• Chief Guest : President | Council of Architecture
Professor Abhay Vinayak Purohit

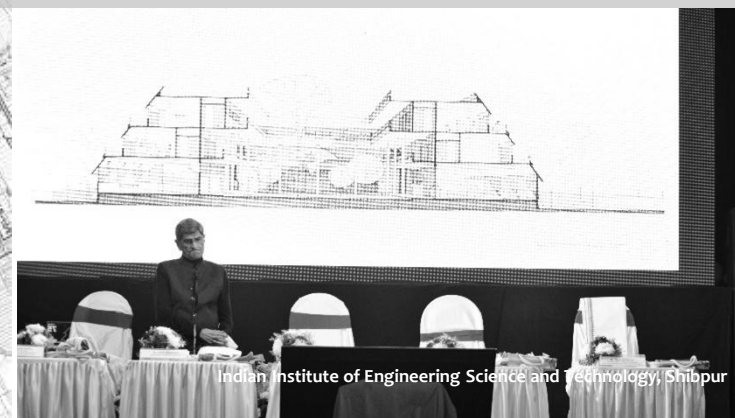
• Guest of Honour:

Ar. Dulal Mukherjee

Prof. Jaydeb Sarkar [Former Head of the Department]

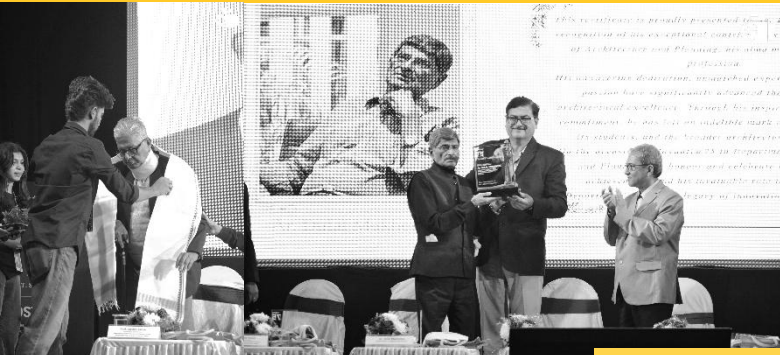


INAUGURATION SESSION



EDITORIAL TEAM

Sutapa Das
Tuhin Subhra Maparu
Varsha Vinod
Mouli Majumdar



AWARDS AND FELICITATION

Highlights of day I also included :

- Distinguished Teacher Award : **Prof Jaydeb Sarkar**
 - Illustrious Alumnus Award : **Ar. Dulal Mukherjee**
 - Distinguished Teacher Award : **Mr. Gobinda Chandra Ray**
 - Felicitations of veteran teachers : **Prof. Aditya Bandyopadhyay and Prof. Swati Saha**
- The day ended with wonderful performances put together by students

PANEL DISCUSSION

Day II started with panel discussions on:

- *Emerging Trends of Architecture and Planning*
- *Practice, Academia and Pedagogy : Challenges and Opportunities.*

Highlights of day II also included : visit of COA-President to our department, archive and exhibition ,various student's competitions and alumni connecting with the present students of the department



CULTURAL PROGRAMME



ARCHIVE AND EXHIBITION



ALUMNI MEET



STUDENT'S COMPETITION



PUBLICATIONS

Book Chapter Journals

- Gupta, A., De, B., Das, S., & Mukherjee, M. (2025). **Thermal hazards in urban spaces: A review of climate-resilient planning and design to reduce the heat stress.** *Urban Climate*, 59, 102296, doi:10.1016/j.uclim.2025.102296.
- Gupta, A., & De, B. (2025). Blue space resilient urban planning to enhance severely distressed thermal environment. *Physics and Chemistry of the Earth, Parts A/B/C*, 137, 103804. doi: <https://www.sciencedirect.com/science/article/pii/S1474706524002626>
- Biswas, A., Das, S., & De, B. (2025). **Sustainable Policy Framework for Managing Construction and Demolition Waste in India Based on the Status Review In Technologies and Innovations for Sustainable Development** (pp. 92-107). CRC Press doi: 10.1201/9781003487012-10

Conference

- Das, S. (2024, October). **Mission LiFE: Going beyond energy efficiency of smart cities.** In AIP Conference Proceedings (Vol. 3209, No. 1). AIP Publishing, doi: /10.1063/5.0227843.
- Dutta, T., Maparu, T. S., **A Methodology for Estimating the Number of Charging Points for EV bus Charging Station: Case Study- Kolkata**, Roorkee Urban Symposium 2025, 28th - 30th March 2025, Department of Architecture and Planning, IIT Roorkee.2025.
- Gope, P. Das, S. ,**Exploring role of Silsako Wetland in mitigation of urban flood in Guwahati** , 2nd Vision Zero Summit ,International Conference on Resilient Urbanism and Safe Mobility, 26-28 March, 2025 , MANIT Bhopal and NIDM, New Delhi,2025.
- Goswami, A., Nayak, S., and Mukhopadhyay, P., **Challenges and Promises in Revival of Tramways: A Case of Kolkata**, Proceedings, ENVIROMENT 2024: An International Conference on Environmental Challenges, Opportunities and Sustainable Solutions, Dec 9-11, 2024, Centre for the Environment, Indian Institute of Technology, 2024.
- Gupta, A., De, B., Das, S. (2025). **Climate Resilient City Planning using Urban Green-Blue Space Resources to Improve the Thermal Environment**, Elsevier's Urban Transitions Conference 2024 , 5th-- 7th Nov 2024, Sitges, Barcelona (Spain) , 2024.
- Migash M. & Majumdar M., **Implementation of Nature-Based-Solutions to Mitigate the Effect of Urbanization on Blue Infrastructure: A Case-Study of Chennai** , Proceedings, International Conference on Nature Based Solutions for Water Circularity and Sustainability ,26-28th February 2025 ,Indian Institute of Science, Bangalore, 2025.
- Mitra, S., **The Dynamics of Youth Activism in Contemporary India: Catalysts and Challenges**, 13th EuroSEAS Conference at the University of Amsterdam, The Netherlands, 2024.
- Nayak, S. Mitra , S., Paul, K, S., **Where Art Meets Space: Interaction between Intangible Cultural Heritage and Buildings among the Patuas in West Bengal, India**, Creative Economic Geography of Artisanal Crafts, 21st -22nd March, 2025, Department of Planning and Architecture , NIT , Rourkela, 2025.

Conference

- Potsangbam, U., Mitra, K., Vinod, V., **Place Attachment of Communities in Aquatic Conditions: A case of Floating Huts at Loktak Lake, Manipur**, 9th Annual Research on Cities Summit (ARC 9.0) , 13th-14th February, 2025, School of Human Settlements, XIM University, Bhubaneswar , 2025.
- Pradhan, S., & Maparu, T. S., **Addressing Groundwater depletion in Kolkata: Sustainable Strategies for Clean Groundwater management**, 10th International Groundwater Conference 2025- Groundwater Vision 2047: Towards Water Security under Changing Climate, Mar 05-07, 2025, National Institute of Hydrology, Roorkee, 2025.
- Rajak, R. K., & Maparu, T. S., **Planning for Decentralized Solid Waste Treatment as a Means Towards Sustainable Waste Management: Case of Patna, India**, 14th International Conference on Sustainable Waste Management – Circular Economy and IPLA Global Forum 2024 (Visakhapatnam, India), 2024.
- Rao, A., Roy, S., Vinod, V., **AI-driven Sentiment Analysis on Social Media Big-Data as a Tool for Identifying Critical Urban Hotspots and Visitors, Behaviour During Mega Festivals- A case of Kolkata's Durga Puja**, Roorkee Urban Symposium 2025, 28th - 30th March 2025, Department of Architecture and Planning, IIT Roorkee.2025.
- Roy, S., Mitra, K., Vinod, V., **Exploration of Built-Environment through the lens of Elderly: A Case of Amarabati, Kolkata**, 9th Annual Research on Cities Summit (ARC 9.0) , 13th-14th February, 2025, School of Human Settlements, XIM University, Bhubaneswar , 2025.
- Sardar, S., Paul, K, S., Chatterjee, A., **Status of Walkability in Mixed Traffic Condition: An Empirical Study Around Howrah Railway Station**, Roorkee Urban Symposium 2025, 28th - 30th March 2025, Department of Architecture and Planning, IIT Roorkee.2025.
- Sarker, P. Santra, K, **An Approach towards Urban Mobility Improvement using Mixed-Fleet of Heterogeneous capacity vehicles: Case of Siliguri, West Bengal**, 9th Annual Research on Cities Summit (ARC 9.0) , 13th-14th February, 2025, School of Human Settlements, XIM University, Bhubaneswar , 2025.
- Sarker, S. Santra, K, **'Introducing Mixed-Fleet of Heterogeneous capacity vehicles for mobility improvement: A case of Siliguri, West Bengal'**, Roorkee Urban Symposium 2025, 28th - 30th March 2025, Department of Architecture and Planning, IIT Roorkee.2025.
- Shahid, M. K., Mukhopadhyay, P., Maparu, T. S., and Rajak, R. K., **'Integrated Riverfront Revitalization and Urban Redevelopment in Howrah Municipal Corporation Area: Issues and Challenges'**, Proceedings, ENVIROMENT 2024: An International Conference on Environmental Challenges, Opportunities and Sustainable Solutions, Dec 9-11, 2024, Centre for the Environment, Indian Institute of Technology, 2024.



PROJECT TITLE	FUNDING AGENCY	INVESTIGATORS	YEAR
Declaration of Nabadwip as Heritage Town	Urban Development and Municipal Affairs Department, Govt. of West Bengal	PI: Prof Aditya Bandyopadhyay	2017 (ongoing)
UKRI GCRF Living Deltas Hub sponsored by UKRI-RCUK and coordinated by Newcastle University, UK	UK Research and Innovation -RCUK	Dr. Souvanic Roy and Dr. Manas K. Sanyal	2019 (ongoing)
Preparation of bid document for the proposed 'Green Field City' under 15th Finance Commission, Government of India, within Sector-VI Industrial Township Authority at Bantala, District: 24 Pgs. (South)	Sector VI Industrial Township Authority, West Bengal	PI: Dr. Tuhin Subhra Maparu	2022 (ongoing)
Literature review, market and industry survey, and performance assessment of different type of hinges used in doors and windows (a builder's hardware) manufactured and/or available in the Indian market.	Bureau of Indian Standards, Government of India.	Dr. Bhaskar De (Co-PI) [Dr. Neelam Rani (PI), NIT Jalandhar]	2024 (ongoing)
Teaching Resource Material (TRM) on Steel Usage in Structural and Architectural Applications for Professional Architects, Teachers and Students	Institute for steel Development and Growth (INSDAG)	D. Bhaskar De [Dr. Mahua Mukherjee (PI), IIT Roorkee and Dr. Suresh Ranjan Dash, IIT Bhubaneswar]	March 2025 (ongoing)

FACULTY ACHIEVEMENTS

- Prof. Keya Mitra is a member of National Advisory Committee, National Information Centre of Earthquake Engineering (NICEE) at IIT Kanpur, 2024-2027.
- Prof. Parthasarathi Mukhopadhyay was awarded Fellowship of the Institute of Urban Designers India (IUDI) ON 24th February 2025. Membership No. F-193.
- Dr. Sutapa Das received the WCDM-DRR Award 2025 (World Congress on Disaster Management-Disaster Risk Reduction) for innovative approaches & research in Disaster Preparedness. The ceremony took place on 15 January, 2025 at New Delhi. Shri Piyush Goyal - Hon'ble Union Minister of Commerce and Industry was the chief guest.



Students Innovative Ideas Awarded in Design Competition

- **Apurv Mirgule** was part of the team that, received a Honourable mention in design competition organized by Claymire for their project titled 'Vaaf', and standing out amongst 1000+ participants
- **Aman Ramdas Deshmukh, Apurv Mirgule, Siddhartha Paul and Debopriyo Dalal** awarded first prize in Installation competition by ABID, January 2025.

Best Paper/ Thesis award from recognized National/ International bodies

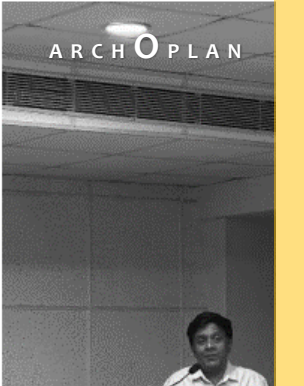
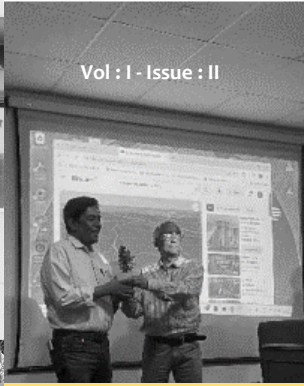
- The paper titled "**Promises in Revival of Tramways: A Case of Kolkata**", authored by **Aindrila Goswami**, a M. Plan. second Yr. Student, Dr. S. Nayak, and Prof. P. Mukhopadhyay, was awarded **3rd Best Student Paper** in ENVIRONMENT 2024: An International Conference on Environmental Challenges, Opportunities and Sustainable Solutions, held at Centre for the Environment, IIT Guwahati during Dec 9-11, 2024.
- **Modam Khazra Shahid**, a M Plan second year Student, was awarded **Best Oral Presenter** in the Session: Other Environmental Topics in ENVIRONMENT 2024: An International Conference on Environmental Challenges, Opportunities and Sustainable Solutions, held at Centre for the Environment, IIT Guwahati during Dec 9-11, 2024, for the paper titled "**Integrated Riverfront Revitalization and Urban Redevelopment in Howrah Municipal Corporation Area: Issues and Challenges**", authored by M. K. Shahid, Prof. P. Mukhopadhyay, Dr. T. S. Maparu, and R.K. Rajak.
- **Sneha Pradhan**, second year student in Masters of Planning, has won the best paper award at the 10th International Groundwater Conference 2025- Groundwater Vision 2047: Towards Water Security under Changing Climate, organized by National Institute of Hydrology, Roorkee, for the paper titled '**Addressing Groundwater depletion in Kolkata: Sustainable Strategies for Clean Groundwater management**'.

Outreach activities and awards

- Students participation at the **67th Year Zonal NASA Convention**, held in Dr. APJ Abdul Kalam Technical University, Lucknow from 24-27th October, 2024.
- **Aman Gupta**, PhD scholar, received **SERB International Travel Support (ITS) Grant** issued by ANRF, DST, Govt. of India to participate at the international scientific event - Urban Transitions, Spain, Nov 2024.
- Participation of **GIAN courses (IIT Guwahati)** by PhD students of the Department in January 2025
- **Aman Gupta**, PhD scholar, joined **School of GeoSciences, University of Edinburgh, Scotland (UK)** as a visiting researcher for three months starting from 1st Feb 2025
- **Sanjukta Manna** awarded third prize in 300m race at Annual Athletic Meet 2025, IEST Shibpur.
- **Shruti Kumari**, 3rd year, UG secured 1st prize in in push-up and pull-up competition, Wolffam, IEST, Shibpur, 2025.
- **Shreya Basak, Shruti Kumari, Devyani Gupta, Sudipa Ghosh** won 1st prize in 'Design Competition using Architectural Origami', in 'Architectural Origami workshop', IEST Shibpur, 2025.

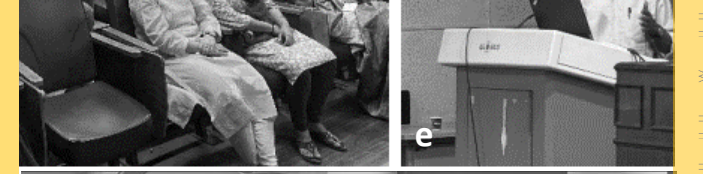
EVENTS

a. The Department celebrated its *Platinum Jubilee* through the Inaugural Program held on Jan 31 – Feb 1, 2025.



b. Invited lecture by **Ar. Soumya Dasgupta**, a Doctoral Scholar (History and Theory) at the University of Illinois at Urbana-Champaign on his '*Architectural Journey*', on 8.01.2025. Mr. Dasgupta graduated in Architecture from our Department in 2015.

e. Talk on "*Understanding Tall Buildings*" delivered by **Ar. Sudipta Ray**, an Alumnus of our Department (B. Arch 1987), on 5.03.2025. With 35 years of International & Indian Work Experience, **Ar. Sudipta Ray** has a diverse career spanning architecture, urban design, engineering, construction, project management and has built up his expertise in design and construction of high-rise buildings. He has worked on Iconic projects like Burj Khalifa & Emirates Palace, UAE.

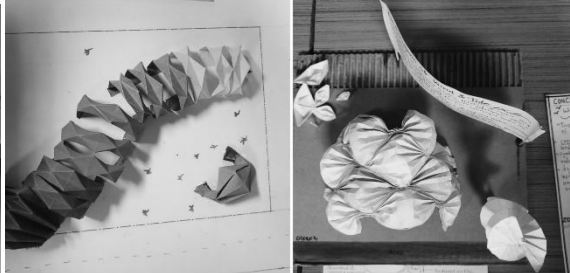
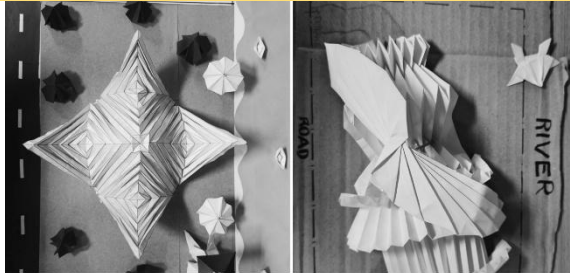


c. Invited lecture by **Dr. Kritika Sha** on '*Architecture to Public Policy*' on 15.01.2025. Dr. Sha holds a PhD degree in Public Policy from Lee Kuan Yew School of Public Policy, National University of Singapore. She graduated in Architecture from our Department in 2012.

f. The department had organised a workshop on '*Architectural Origami*' on 22nd -23rd 2025, to provide hands-on experience of application of origami in architectural design.

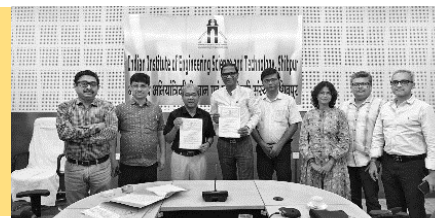


d. Invited lecture and book launch **Ar. Soham De** '*Eco-Responsive Environments : A framework for Settlement Design*' on 15.01.2025. Ar. De graduated in Architecture from our Department in 2008 and holds an MA degree in Urban Design from Oxford Brookes University, UK. Ar. De is a co-founding director at Eco-Responsive Environments, an award winning Architectural and Urban Design practice based in London.



- **Prof. Souvanic Roy** invited as resource person in Training Program on Municipal Planning for officials of Urban Local Bodies in the Kolkata Metropolitan Area (KMA) Region organised by CEPT University, Ahmedabad and WBTIDC under the World Bank sponsored West Bengal Inland Water Transport, Logistics and Spatial Development Project at Stadel, Kolkata on 24th-25th October 2024.
- **Dr. Subrata Kumar Paul** delivered as a keynote address at lecture session organized by Department of Civil Engineering, IEST Shibpur.
- **Ar. Varsha Vinod** was invited as session chair for 'Young Researcher's Conference 2024' organized by Department of Humanities and Social Science, IEST Shibpur, 13th December, 2024.
- **Dr. Subrata Kumar Paul** invited as external jury member for B.Arch Architectural Thesis review at Jadavpur University, 2025.
- **Prof. Souvanic Roy** invited as key speaker on the topic "Climate Resilient Housing and Infrastructure in Bengal Delta" on 13th February 2025 in the International Symposium on Building Resilience of Communities in Sundarbans organised By Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI) and School of Oceanographic Studies Jadavpur University, Kolkata at RKM Narendrapur on 12-14 February 2025.
- **Prof. Souvanic Roy** was the guest speaker on the topic "Application of Artificial Intelligence in Green Urban Planning and Sustainable Cities" organised By Institute of Electronics and Telecommunication Engineers (IETE), Kolkata Centre and Forum of Scientists, Engineers and Technologists (FOSET), at IETE Auditorium, Sector-V, Kolkata on 21 February 2025.
- **Dr. Tuhin Subhra Maparu** delivered as a key speaker at lecture session titled: 'Impact of Proposed Metro Rails System on Surface Transit of Kolkata on 23rd February, 2025-organized by Indian Institute of Town Planners, India, West Bengal Regional Chapter.
- **A MoU has been signed** between the Alumni batch graduating in 1999 and the institute on 28.02.2025 for awarding prize to the B. Arch Thesis Topper, every year.
- **Prof Keya Mitra** invited as a expert in a three day workshop on 'Teaching Earthquake – Resistant Structures in Undergraduate Architecture Design Studio', conducted by The National Information Centre of Earthquake at Indian Institute of Technology, Kanpur, March 2025.
- **Dr. Soumen Mitra** was invited as the esteemed speaker at 'Connaissance: Harmonizing Horizons – Academia-Industry Symposium, on March 18 2025, organized by Women's Polytechnic, Chandannagar.

- **A MoU has been signed** between the Alumni batch graduating in 1999 and the institute on 28.02.2025 for awarding prize to the B. Arch Thesis Topper, every year.



DEPARTMENT OF ARCHITECTURE AND
PLANNING

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